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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/689,363	10/20/2003	Milind M. Buddhikot	Buddhikot 8-1-1-1-8-11 (L)	4389
46363 7590 07/18/2007 PATTERSON & SHERIDAN, LLP/ LUCENT TECHNOLOGIES, INC 595 SHREWSBURY AVENUE SHREWSBURY, NJ 07702			EXAMINER WYSZYNSKI, AUBREY H	
			ART UNIT 2134	PAPER NUMBER
			MAIL DATE 07/18/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/689,363

Applicant(s)

BUDDHIKOT ET AL.

Examiner

Aubrey H. Wyszynski

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) 21-28 and 30 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 and 29 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 10/20/03 and 6/9/04.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.

DETAILED ACTION

1. Claims 1-30 are pending.

Election/Restrictions

2. Applicant's election without traverse of claims 1-14, 15-20 and 29 in the reply filed on 5/2/07 is acknowledged.

Information Disclosure Statement

3. The information disclosure statements (IDS) submitted on 10/20/03 and 6/9/04 are being considered by the examiner.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1-20 and 29 are rejected under 35 U.S.C. 102(b) as being anticipated by Forslow, U.S. Patent Application Publication No. 2002/0069278.

Regarding claims 1, Forslow discloses a gateway for mobile access, comprising:

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a foreign agent (fig. 3, #31) that receives user/mobile user and mobile client (fig. 3, #14 and #20) profile data and session state data from a home authentication, authorization and accounting (AAA) system of a mobile node ([0094]);

at least one dynamic packet filter that performs multi-layer filtering based on the user profile data (fig. 12 & [0110];

wherein the foreign agent transfers a session from a first network to a second network without session interruption, using the session state data, when the mobile node moves from the first network to the second network (fig. 16), and

the foreign agent uses the dynamic packet filter to permit Internet access by the mobile node without passing Internet data requested by the mobile node through a network in which the home AAA system is located ([0139]).

Regarding claim 2, Forslow discloses the gateway of claim 1, further comprising a MAC-address-based filter which blocks packets except for authentication packets that are used to authenticate mobile nodes ([0131]).

Regarding claim 3, Forslow discloses the gateway of claim 1, wherein the dynamic packet filter performs network layer filtering and one of the group consisting of transport layer filtering and application layer filtering ([0088]).

Regarding claim 4, Forslow discloses the gateway of claim 1, further comprising a non-volatile storage device in which the user profile data are stored (fig. 7, #70).

Regarding claim 5, Forslow discloses the gateway of claim 1, wherein the non-volatile storage device has a database that stores state information for each active user session ([0014]).

Regarding claim 6, Forslow discloses the gateway of claim 1, wherein the gateway is coupled to at least one access point (fig. 3, #12), and the gateway transmits from a AAA server in the gateway to the access point an identification of whether a mobile node in communication with the access point is successfully authenticated by the AAA server ([0093]).

Regarding claim 7, Forslow discloses the gateway of claim 1, wherein the gateway exchanges AAA data with the home AAA system of the mobile node by way of the Internet, and the gateway provides Internet access to the mobile node without passing Internet data requested by the mobile node through the network of the home AAA system ([0139]).

Regarding claim 8, Forslow discloses the gateway of claim 7, wherein the gateway relays remote authentication dial-in user service packets to the home AAA server ([0019]).

Regarding claim 9, Forslow discloses the gateway of claim 1, wherein the gateway has

a foreign agent that communicates with the home AAA system of the mobile node, and the foreign agent is capable of operating in a relay mode, in which the foreign agent forwards packets to the home AAA of the mobile IP node for authentication, or in a standalone mode, in which authentication computations for the simple IP mobile node are performed in the gateway ([0094]).

Regarding claim 10, Forslow discloses the gateway of claim 1, the user profile data include per-user policies dynamically obtained from the home AAA server of the mobile node and the gateway further the dynamic packet filter is included in a firewall that uses packet filtering rules that depend on the per-user policies ([0067]).

Regarding claim 11, Forslow discloses the gateway of claim 10, wherein the firewall includes rules that check a media access control address associated with each received packet ([0111]).

Regarding claim 12, Forslow discloses the gateway of claim 1, further comprising an 802.11 access point contained within or attached to a housing of the gateway ([0088]).

Regarding claim 13, Forslow discloses the gateway of claim 1, further comprising a wireless modem contained within or attached to a housing of the gateway ([0088]).

Regarding claim 14, Forslow discloses the gateway of claim 1, further comprising: an

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802.11 access point contained within or attached to a housing of the gateway; and a wireless modem contained within or attached to a housing of the gateway ([0088]).

Regarding claim 15, Forslow discloses a gateway for mobile access, comprising:

a foreign agent (fig. 3, #31) that receives user profile data from a home authentication, authorization and accounting (AAA) system of a client, when the client establishes a session with the gateway ([0094]);

a dynamic packet filter that performs multi-layer filtering based on the user profile data; an access point contained within or attached to a housing of the gateway, for communication between the gateway and the client; and

a wireless modem contained within or attached to a housing of the gateway, wherein the gateway is mobile, and the modem permits wireless communication between the gateway and a wireless network ([0088]).

Regarding claim 16, Forslow discloses the gateway of claim 15, wherein the gateway provides Internet access to the client without passing Internet data requested by the client through a network containing the home AAA system of the client ([0139]).

Regarding claim 17, Forslow discloses the gateway of claim 15, wherein the foreign agent is capable of obtaining a new IP address when the gateway moves from a first network to a second network ([0110]).

Regarding claim 18, Forslow discloses the gateway of claim 16, wherein, the foreign agent is capable of advertising the new IP address to the client (¶[0032]).

Regarding claim 19, Forslow discloses the gateway of claim 15, wherein the dynamic packet filter performs network layer filtering and one of the group consisting of transport layer filtering and application layer filtering (¶[0088]).

Regarding claim 20, Forslow discloses the gateway of claim 15, further comprising a non-volatile storage device that stores the session state data, and means for transmitting the stored session state data to the client if the client loses a connection with the gateway and resumes the connection with the gateway (fig. 7, #70).

Regarding claim 29, Forslow discloses a computer readable medium encoded with computer program code, wherein, when the code is executed by a processor, the processor performs a method for controlling mobile access, comprising the steps of: filtering incoming packets based on a media access control address of each packet (¶[0131]); obtaining user profile data of a mobile IP node from a home authentication (¶[0094]), authorization and accounting (AAA) server of a mobile IP node, to determine whether the mobile IP node is registered to access a network by way of a gateway (¶[0091]); performing multi-layer filtering based on the user profile data (¶[0102]); transferring a session from a first network to a second network in which the mobile IP node is located without session interruption when the mobile node moves to the second

network; and providing Internet access to the mobile IP node without passing Internet data requested by the mobile IP node through a network in which the home AAA server is located ([0139]).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aubrey H. Wyszynski whose telephone number is (571)272-8155. The examiner can normally be reached on Monday - Thursday, and alternate Friday's.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kambiz Zand can be reached on 5712723811. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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AHW



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SUPERVISORY PATENT EXAMINER